

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** March 15, 2006

**Inspector:** Diana Walden and Lee Curtis

**Location:** Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

**Storm/**

**Rain Event:** The only recorded precipitation was 0.30" which fell over 3/12-3/14 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	<p>- <b>Hoyts Hill:</b> Access is gained off Hoyts Hill Road. One contractor was demobilizing from site and was preparing to sweep sediment tracking off the roadway. 3/15/06.</p> <p>- <b>Archers Lane:</b> Conditions were muddy. Water levels at the wetland crossings on the access road to the ROW remain low. 3/15/06.</p> <p>- Most trenchwork for the 345kV project along the access road has been backfilled. Soil was returned to the trench. 3/15/06.</p> <p>- <b>Norwalk Junction:</b> Sediment tracking did not appear to be an issue at this time. Sediment piles remain from the melted snow piles that were plowed into the swale during the last snow event remain. 2/16-</p>	<p>- Ruts in the access driveway should be smoothed out as necessary. This will likely happen when activities are complete here. 3/15/06</p> <p>- Sediment accumulation in the wetlands will have to be addressed, especially before the growing season. 2/2-3/15/06.</p> <p>- The stone wall and natural barriers here appear to keep any sediment from the wetlands along the drive but sediment here is increasing. Continue to monitor. 3/9-3/15/06.</p> <p>- Continue to monitor Rt. 7 at the main access pad. 3/2-3/15/06.</p> <p>- See erosion control section for more details on the snow/sediment. 2/16-3/15/06</p>	<p>- Contractors were sweeping sediment at the time. 3/15/06.</p> <p>- N/A at this time.</p> <p>- N/A</p>

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	3/15/06.		
Foundation construction	<p>- At <b>Hoyts Hill</b>: Drilling for caissons is complete on the pad. 3/15/06.</p> <p>- Additional work may be necessary on the outlet/dissipater pads as erosive gullies and sedimentation continue to worsen. 12/01-3/15/06.</p> <p>-345kVXLPE trench work was occurring at the station wall. 3/15/06</p> <p>-At <b>Archers Lane</b>, work continues around the steel structures within the station pad. 2/23-3/15/06. - 345kV trench work still continues on the pad. 3/2-3/15/06.</p> <p>-At <b>Norwalk Junction</b>: Work continues on the structures in the station pad including several large excavations. 3/15/06 - A network of pipes remains to dewater the well points on site. 2/23-3/15/06</p>	<p>-The station pad itself is in good shape but the adjacent area needs some attention. 1/19-3/15/06. -See EC and dewatering section for more details. 3/15/06. -Repairs will likely happen in the spring. See erosion control section. 12/01-3/15/06.</p> <p>- See 345kV XLPE report for more details.3/15/06</p> <p>-None at this time. The area is contained. 3/15/06.</p> <p>-Soil remains largely contained to site but see erosion control section for more information. 3/15/06.</p> <p>- None at this time 3/15/06</p>	<p>-N/A</p> <p>-N/A</p> <p>-N/A</p> <p>-N/A.</p> <p>-N/A</p>
Erosion and Sediment Controls	<p>-<b>Hoyts Hill</b>: The perimeter silt fence along the wetlands at the rear of the station is still toed in but portions needs to be re-stapled and patched. 3/9/06 -Visible holes are allowing turbid water through. 3/15/06.</p> <p>- Sedimentation remains built up at the fence and in the wetland although contractors had made efforts to remove some of</p>	<p>-Some sections of fence will need to be replaced or well patched. 3/15/06. -It is unclear whether the turbid water is resulting from station dewatering or in combination with 345kV XLPE work.</p> <p>- Contractors will need to continue to remove sediment. 3/9-3/15/06. -There may be discussion as to whose responsibility</p>	<p>-Some efforts have been made to remove the sediment. Continue to do so. 3/9-3/15/06</p>

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	the sediment. 3/9-3/15/06	this is as two different	
Erosion and Sediment Controls	<ul style="list-style-type: none"> <li>- The erosive gullies remain on both the northern and southern slopes . 10/27-3/15/06.</li> <li>-Less severe erosion was noted along the face of the southern silt fence. 1/26-3/15/06.</li> <li>- Dewatering is mostly complete from the pad but some turbid water resulted from recent discharges. 3/15/06.</li> <li>- A sand pile for mixing concrete was being stored in the driveway across from Rt. 58. 2/16-3/15/06.</li> </ul>	<p>contractors were dewatering. 3/15/06</p> <ul style="list-style-type: none"> <li>-Extension of the outlet stone pad and restoration of erosion will likely occur in the spring when access is stable. 3/2-3/15/06.</li> <li>-If dewatering needs to continue, a filter bag should be used to limit the turbidity before it enters the catch basin to the outlet. 3/15/06</li> <li>- Silt fence still needs to be installed at the stockpile since it is adjacent to wetlands. 2/16-3/15/06</li> </ul>	-Will be corrected in the spring. 3/15/06.

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	<p>- <b>Archers Lane:</b> Controls along the access road to the ROW were repaired. Sedimentation in the 1<sup>st</sup> wetland crossing to varying degrees from a fine layer over the leaf litter to several inches of accumulation. 1/26-3/15/06.</p> <p>-A flowfill stockpile is in place at the top of slope, upgradient of a wetland. This area is the jurisdiction of 345kV work. 3/15/06.</p> <p>- <b>Norwalk Junction:</b> Haybales remain along the perimeter fence on site as an additional control, but sections have been removed due to the placement of hoses. 3/8-3/15/06.</p>	<p>- Water levels have remained low for the most part.</p> <p>- Any easily accessible deposits of sediment will need to be removed. Fine layers of silt can remain. 1/26-3/15/06.</p> <p>-Sediment should be removed prior to the growing season. 3/15/06</p> <p>-Erosion controls were installed around this stockpile as recommended. 3/15/06.</p> <p>- The haybales appear to be working well for the most part, keeping mud and soil from the site from reaching the silt fence. 2/16-3/15/06 Repair sections where needed.</p>	<p>- Repairs were made to controls along the ROW access road at the 2<sup>nd</sup> crossing. 3/15/06</p> <p>-N/A</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Erosion and Sediment Controls continued	<p>-The old culvert near the silt fence and the river was observed. It still shows evidence of occasional flow, including sediment from the disturbed soil at the site. 3/15/06</p> <p>-The wetland area outside the silt fence adjacent to the river shows accumulated sediment 3/8-3/15/06.</p> <p>- Sediment from previously plowed snow piles remained directly in and along the swale. This introduces more potential for turbidity. 2/16-3/15/06.</p> <p>- Erosive gullies remain in a number of locations along the lower drainage swale due to site run-off, resulting in further sedimentation to the swale. 12/30-3/15/06. Haybales remained in the inlets. 2/2-3/15/06.</p> <p>-The riprap swale remains to the Norwalk River for dewatering from the well points. 2/23-3/15/06.</p>	<p>- The culvert needs to have haybales installed if it is going to remain in place. Otherwise it should be removed/or the connection cut, completely 3/15/06</p> <p>- This area receives direct runoff from the site through the swale making water quality important. The adjacent site is disturbed resulting in this turbidity. 1/19-3/15/06.</p> <p>- Snow has melted but sediment could be removed from the swale. 3/8-3/15/06.</p> <p>- The erosion control matting on the swale likely needs to be extended up and over the top of slope to prevent further erosion until the growing season. 12/30-3/15/06.</p> <p>- Water from the pipe remains very clear.</p> <p>- Be sure to restore this outlet area when work is complete. 2/16-3/15/06.</p>	-N/A until work is complete.
Inland Wetland and Watercourse encroachment and mitigation	<p>- <b>Hoyts Hill:</b> Controls were repaired at the sedimentation area at the fence but not all previous silt was removed from the wetland yet. 3/9-3/15/06.</p> <p>Turbid water was also getting through the fence and accumulating in the wetland. 3/15/06</p>	-Contractors are in the process of removing the sediment but the dewatering creates a need for this to continue. 3/2-3/15/06.	- Efforts need to continue. 3/15/06

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	<p><b>-Archers Lane:</b> Watch run-off velocity down the completed slopes and walls. Pick up deposited sediment adjacent to and in the wetlands at the ROW access road crossings. 1/26-3/15/06.</p> <p><b>- Norwalk Junction:</b> A riprap swale was built right to the river for dewatering on-site. Well points will ensure the water remains clear. 3/2-3/15/06.</p> <p><b>- The outlet of the drainage swale is at the headwall of the wetland area. Sediment has been an issue here in the wetlands but have not had a significant impact on the river. 12/30-3/15/06.</b></p>	<p>- Remove the sediment from the wetland where there are significant buildups. See the ROW report for more details. 2/16-3/15/06.</p> <p>-Water is clear at this time. Continue to monitor. 3/15/06.</p> <p>-See Erosion Control Section for more details. Reduce turbidity by controlling its source-disturbed surfaces on site. 12/30-3/15/06</p>	-N/A at this time
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p><b>-Hoyts Hill:</b> The slopes and areas surrounding the site should be revegetated in the spring as necessary. 3/15/06</p> <p><b>- Archers Lane:</b> no additional clearing was noted here. 3/15/06.</p> <p><b>- Norwalk Junction:</b> No additional clearing has been necessary 3/15/06.</p>	<p>- Determine whether additional seed will be necessary. 3/15/06</p> <p>-None at this time. 2/23/06-3/15/06.</p> <p>- Restore areas along the perimeter as feasible. 3/15/06.</p>	<p>-N/A until the growing season.</p> <p>-N/A.</p> <p>- N/A until work is completed</p>
Dewatering <b>Hoyts Hill</b>	-Dewatering continues from both the pad and 345kV XLPE work Sediment accumulation from previous station work remains and turbid water is escaping through a hole in the silt fence. —	<p>- Some efforts were made to remove silt build up but this needs to be completed. 3/15/06.</p> <p>- Repairs will be made to the silt fence 3/15/06</p>	

Areas of Inspection	Observation	Recommended Action	Corrected Actions
<b>Archers Lane</b>	3/15/06  - Dewatering was not necessary at the time for the 345kV trenching. Haybales remain installed across the swale. 3/15/06	- None at this time. 3/15/06.	-N/A at this time
<b>Norwalk Junction</b>	-Well points and a network of pipes remain to handle the dewatering. 2/23/06-3/15/06.	-None at this time. Water leaving the outlet pipe is very clear. 3/15/06	- N/A at this time. 3/15/06.
Blasting	- All blasting is complete at this time. 3/15/06	- None at this time.	-N/A
Soils	- Most soil was removed from the excavation at the Hoyts Hill pad. 3/15/06  - A number of soil stockpiles remain at Norwalk Junction as excavation increases 3/15/06	- None at this time 3/15/06  - Soil does remain contained. 3/2-3/15/06.	-Soil was removed  - N/A
Spills and Material Storage	-None at this time. 3/15/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.	-N/A at this time
Additional Observations			

**Next likely scheduled inspection:**

Wednesday March 22, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the

best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden





**Hoyts Hill Transition Station: Photo on the left shows a stockpile remaining across Rt 58 on the driveway. Controls are still needed here to contain it. Photo on the right shows an overview of the station pad where caissons are completed. 3/15/06**



**Photo on the left shows a view of some turbid water that may be left over from either station or 345kV XLPE dewatering. Water was escaping through a hole in the fence without being filtered but Blakeslee will be patching this spot. Photo on the right shows where sediment from gullies has deposited at the base of slope. 3/15/06.**





**Archers Lane Transition Station:** Photo on the left shows erosion controls installed around a stockpile as part of the 345kV work. Photo on the right shows a view of the station pad where trenching activities continue as part of the 345kV work. 3/15/06.



**Archers Lane:** Photo on the left shows an overall view of earth work and stockpile areas. **Norwalk Junction:** Photo on the right shows the excavations ongoing within the yard. All stockpiles and disturbed soil remain contained within the perimeter of the station pad for the most part. 3/15/06





**Norwalk Junction:** Photo on the left shows additional sediment deposits in the lower drainage swale due to erosive gullies and remnants from previously plowed snow piles. The photo on the right shows sediment in the outlet pipe downgradient from the swale. This pipe discharges directly to the wetland. 3/15/06



Photo on the left shows a break in the interior line of erosion controls where haybales were removed to place hoses. Photo on the right shows structures stored for installation and a view of the perimeter silt fence that remains intact. 3/15/06.





Photo on the left shows the remaining portion of the old stone culvert filled with sediment and not protected with erosion controls. Photo on the right shows evidence that this portion of culvert is still discharging and depositing sediment into the wetland. 3/15/06



Both photos show the overall work on the station pad. Excavation continues and stockpiles remain fairly well contained. 3/15/06